

Datasheet: MCA2377

BATCH NUMBER 160121

Description:	MOUSE ANTI SLP-76
Specificity:	SLP-76
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	SLP-76/03
Isotype:	IgG2b
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			1/500

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Pig, Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein G

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	Ig concentration 1.0 mg/ml
Immunogen	A fusion protein corresponding to amino acids 216-434 of human SLP-76.
External Database Links	<p>UniProt: Q13094 Related reagents</p> <p>Entrez Gene: 3937 LCP2 Related reagents</p>
RRID	AB_2136892
Specificity	<p>Mouse anti SLP-76 antibody, clone SLP-76/03 recognises the SH2 domain-containing leucocyte protein, also known as SLP-76 or Lymphocyte cytosolic protein 2. SLP-76 is a ~76 kDa tyrosine phosphoprotein, expressed primarily by T lymphocytes and cells of the myeloid lineage.</p> <p>SLP-76 is one of several adaptor proteins assisting with TCR-mediated signal transduction, through GRB2 binding, functioning as a substrate for the protein-tyrosine kinase ZAP-70 and thus playing a crucial role in both T cell ontogeny and activation. Other molecules that associate with SLP-76 include phospholipase C (PLC)-gamma, Vav, Nck and fyn binding protein.</p>
Western Blotting	MCA2377 detects a band of approximately 76kDa in T lymphocyte cell lysates.
References	<ol style="list-style-type: none"> 1. Di Bartolo V <i>et al.</i> (2007) A novel pathway down-modulating T cell activation involves HPK-1-dependent recruitment of 14-3-3 proteins on SLP-76. J Exp Med. 204 (3): 681-91. 2. Brockmeyer, C. <i>et al.</i> (2011) T cell receptor (TCR)-induced tyrosine phosphorylation dynamics identifies themis as a new TCR signalosome component. J Biol Chem. 286: 7535-47. 3. Lasserre, R. <i>et al.</i> (2011) Release of serine/threonine-phosphorylated adaptors from signaling microclusters down-regulates T cell activation. J Cell Biol. 195 (5): 839-53. 4. Lasserre, R. <i>et al.</i> (2010) Ezrin tunes T-cell activation by controlling Dlg1 and microtubule positioning at the immunological synapse. EMBO J. 29: 2301-14. 5. Paster, W. <i>et al.</i> (2013) GRB2-mediated recruitment of THEMIS to LAT is essential for thymocyte development. J Immunol. 190 (7): 3749-56.
Further Reading	1. Bonilla, F.A. <i>et al.</i> (2000) Adapter proteins SLP-76 and BLNK both are expressed by murine macrophages and are linked to signaling via Fcgamma receptors I and II/III. Proc Natl Acad Sci U S A. 97 (4): 1725-30.
Storage	Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2377 10040
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

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